Course title  Lessons In Multisensory Processing

Organizer(s)  PD Dr. Gérard Loquet (UniFr & CIBM-CHUV)

Summary  This course will provide a solid introduction on how the senses work together (multisensory integration) and create a coherent representation of the world.
First, we will explain the neural mechanisms underlying multisensory integration.
Second, we will examine the behavioral and cognitive benefits brought by the ability to combine different sensory modalities.
Third, we will address how multisensory perception is affected by sensory deprivation.
Finally, we will focus on plasticity and crossmodal rerouting of sensory projections and how it can be exploited by rehabilitative tools.

Course sessions  
01.06.2017: - Chapter 1. Structure and Connectivity
08.06.2017: - Chapter 2. Perception, behavior and cognition
15.06.2017: - Chapter 3. Clinical Manifestations
22.06.2017: - Chapter 4. Neurorehabilitation

Course materials  
- go to "https://moodle2.unil.ch"
- log in with your institutional address (unil, chuv, epfl)
- click on "Faculté de Biologie et de Médecine" > "Ecole doctorale / doctoral school" > "Lemanic Neuroscience Doctoral School"
- course materials and papers will be stored under "Multisensory Processing"

Location  Salle APP @ DNF Lausanne; Rue Bugnon 9 (ground floor)

Evaluation  Exam

Registration  Register before May 14, 2017 by writing a mail to lndscourses@gmail.com (with your supervisor in copy) and stating the course title as subject.